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Serial No. 09/991,863

Filed: November 16, 2001

Title: APPARATUS AND METHOD FOR
CARRYING OUT ANALYSIS OF
SAMPLES USING RADIATION
DETECTOR OUTPUT RATIOS

Applicant: Gordon

Group Art Unit No. 2877

Examiner: Unknown

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Sir:

Prior to the examination of this CPA application, please amend the application as follows:

IN THE ABSTRACT

Please add the following abstract. A copy of which is being submitted as a separate page.

ABSTRACT

A system for conducting an optical inspection of a biological, chemical, or biochemical sample supported by an optically transparent disc. The disc is mounted for rotation about its central axis while a light source and a plurality of radiation detectors are provided for scanning optically readable portions and tracking information encoded to the disc and scanning the sample. The source is arranged above the disc and the detectors are arranged above and below the disc. The optical properties of the sample can be automatically and rapidly inspected by analyzing the output of the light detectors including the use of a ratio of first and second detector output. A third detector output also may be used in the analysis.

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